

AMENDMENTS TO THE ABSTRACT OF THE DISCLOSURE

Please amend the Abstract by rewriting same to read as follows.

A switching power circuit in which a synchronous rectification circuit of the winding voltage detection system by use of a resistance device is provided on the secondary side of a compound resonance type converter, whereby a high power conversion efficiency can be obtained, and a reduction in the circuit scale through circuit simplification can be contrived had. The gap length of an insulated converter transformer ~~(PIT)~~ is enlarged to set the coupling coefficient at about 0.8, and the numbers of turns of the primary winding ~~(N1)~~ and the secondary windings ~~(N2A), (N2B)~~ are so set that the induced voltage level in the secondary winding is not more than 2 V/T. This ~~is for causing~~ causes the secondary-side rectified current to be in a continuous mode even under a heavy load condition by setting the magnetic flux density of the core in the ~~PIT~~ insulated converted transformer to be not more than a predetermined value. Further, with inductors ~~(Ld), (L₀)~~ inserted into each rectified current circuit on the secondary side, the back electromotive forces in the inductors suppress a backward current generated in the rectified current, whereby a further reduction in the reactive power can be ~~contrived~~. ~~Besides, with the inductor (L₀) inserted, high frequency noises said to be superposed on the secondary-side DC output voltage (E₀) are suppressed~~ obtained.